


Anti-Twist antibody ab50581

★★★★☆ [14 Abreviews](#) [152 References](#) [画像数 2](#)

製品の概要

製品名	Anti-Twist antibody
製品の詳細	Rabbit polyclonal to Twist
由来種	Rabbit
アプリケーション	適用あり: ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Mouse, Chicken, Chimpanzee 
免疫原	Synthetic peptide: PADDSLNSEEEPDRQ conjugated to KLH by a C-terminal Cysteine residue linker, corresponding to amino acids 12-27 of Human Twist

 [Run BLAST with](#)

 [Run BLAST with](#)

特記事項

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab50581の使用に適用されず
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (3)	Use a concentration of 1 - 2 µg/ml.

ターゲット情報

機能

Acts as a transcriptional regulator. Inhibits myogenesis by sequestering E proteins, inhibiting trans-activation by MEF2, and inhibiting DNA-binding by MYOD1 through physical interaction. This interaction probably involves the basic domains of both proteins. Also represses expression of proinflammatory cytokines such as TNFA and IL1B. Regulates cranial suture patterning and fusion. Activates transcription as a heterodimer with E proteins. Regulates gene expression differentially, depending on dimer composition. Homodimers induce expression of FGFR2 and POSTN while heterodimers repress FGFR2 and POSTN expression and induce THBS1 expression. Heterodimerization is also required for osteoblast differentiation.

組織特異性

Subset of mesodermal cells.

関連疾患

Defects in TWIST1 are a cause of Saethre-Chotzen syndrome (SCS) [MIM:101400]; also known as acrocephalosyndactyly type 3 (ACS3). SCS is a craniosynostosis syndrome characterized by coronal synostosis, brachycephaly, low frontal hairline, facial asymmetry, hypertelorism, broad halluces, and clinodactyly.

Defects in TWIST1 are the cause of Robinow-Sorauf syndrome (RSS) [MIM:180750]; also known as craniosynostosis-bifid hallux syndrome. RSS is an autosomal dominant defect characterized by minor skull and limb anomalies which is very similar to Saethre-Chotzen syndrome.

Defects in TWIST1 are the cause of craniosynostosis type 1 (CRS1) [MIM:123100].

Craniosynostosis consists of premature fusion of one or more cranial sutures, resulting in an abnormal head shape.

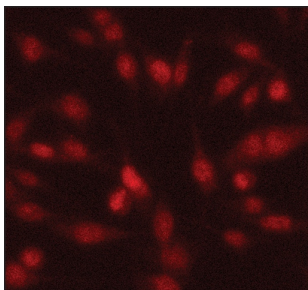
配列類似性

Contains 1 basic helix-loop-helix (bHLH) domain.

細胞内局在

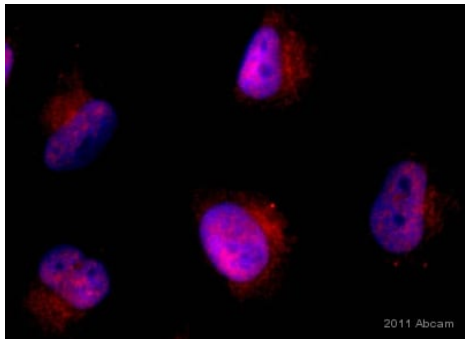
Nucleus.

画像



Human melanoma Mel15 cells were fixed and permeabilized with 4% paraformaldehyde followed by 0.1% Triton X-100. Fixed cells were stained with 2 µg/ml ab50581. The antibody was developed with Goat Anti-Rabbit IgG, Cy3 conjugate.

Immunocytochemistry/ Immunofluorescence - Anti-Twist antibody (ab50581)



Immunocytochemistry/ Immunofluorescence - Anti-Twist antibody (ab50581)

Image courtesy of an anonymous Abreview.

ab50581 staining Twist in human glioblastoma cells by Immunocytochemistry/ Immunofluorescence. The cells were fixed in paraformaldehyde, permeabilised in 0.1% Triton X-100 and then blocked using 0.5% BSA for 20 minutes. Samples were then incubated with primary antibody at 1/50 for 16 hours at 4°C. The secondary antibody used was a goat anti-rabbit IgG conjugated to Cy3® used at a 1/400 dilution.

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